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## Cisco 300-740 Practice Questions

### Designing and Implementing Secure Cloud Access for Users and Endpoints

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## Cisco 300-740 Exam Syllabus Topics:

| Topic   | Details  |
|---------|--|
| Topic 1 | <ul style="list-style-type: none"> <li>SAFE Key Structure: This section of the exam measures skills of Network Security Designers and focuses on the SAFE framework's key structural elements. It includes understanding 'Places in the Network'—the different network zones—and defining 'Secure Domains' to organize security policy implementation effectively.</li> </ul>  |
| Topic 2 | <ul style="list-style-type: none"> <li>Industry Security Frameworks: This section of the exam measures the skills of Cybersecurity Governance Professionals and introduces major industry frameworks such as NIST, CISA, and DISA. These frameworks guide best practices and compliance in designing secure systems and managing cloud environments responsibly.</li> </ul>  |
| Topic 3 | <ul style="list-style-type: none"> <li>Threat Response: This section of the exam measures skills of Incident Response Engineers and focuses on responding to threats through automation and data analysis. It covers how to act based on telemetry and audit reports, manage user or application compromises, and implement response steps such as containment, reporting, remediation, and reinstating services securely.</li> </ul>  |
| Topic 4 | <ul style="list-style-type: none"> <li>Integrated Architecture Use Cases: This section of the exam measures the skills of Cloud Solution Architects and covers key capabilities within an integrated cloud security architecture. It focuses on ensuring common identity across platforms, setting multicloud policies, integrating secure access service edge (SASE), and implementing zero-trust network access models for more resilient cloud environments.</li> </ul>   |
| Topic 5 | <ul style="list-style-type: none"> <li>Cloud Security Architecture: This section of the exam measures the skills of Cloud Security Architects and covers the fundamental components of the Cisco Security Reference Architecture. It introduces the role of threat intelligence in identifying and mitigating risks, the use of security operations tools for monitoring and response, and the mechanisms of user and device protection. It also includes strategies for securing cloud and on-premise networks, as well as safeguarding applications, workloads, and data across environments.</li> </ul> |
| Topic 6 | <ul style="list-style-type: none"> <li>User and Device Security: This section of the exam measures skills of Identity and Access Management Engineers and deals with authentication and access control for users and devices. It covers how to use identity certificates, enforce multifactor authentication, define endpoint posture policies, and configure single sign-on (SSO) and OIDC protocols. The section also includes the use of SAML to establish trust between devices and applications.</li> </ul>   |
| Topic 7 | <ul style="list-style-type: none"> <li>Application and Data Security: This section of the exam measures skills of Cloud Security Analysts and explores how to defend applications and data from cyber threats. It introduces the MITRE ATT&amp;CK framework, explains cloud attack patterns, and discusses mitigation strategies. Additionally, it covers web application firewall functions, lateral movement prevention, microsegmentation, and creating policies for secure application connectivity in multicloud environments.</li> </ul>   |
| Topic 8 | <ul style="list-style-type: none"> <li>SAFE Architectural Framework: This section of the exam measures skills of Security Architects and explains the Cisco SAFE framework, a structured model for building secure networks. It emphasizes the importance of aligning business goals with architectural decisions to enhance protection across the enterprise.</li> </ul>  |
| Topic 9 | <ul style="list-style-type: none"> <li>Visibility and Assurance: This section of the exam measures skills of Security Operations Center (SOC) Analysts and focuses on monitoring, diagnostics, and compliance. It explains the Cisco XDR solution, discusses visibility automation, and describes tools for traffic analysis and log management. The section also involves diagnosing application access issues, validating telemetry for behavior analysis, and verifying user access with tools like firewall logs, Duo, and Cisco Secure Workload.</li> </ul>   |

## Cisco Designing and Implementing Secure Cloud Access for Users and Endpoints Sample Questions (Q47-Q52):

### NEW QUESTION # 47

Which attack mitigation must be in place to prevent an attacker from authenticating to a service using a brute force attack?

- A. Use of a password manager
- B. Use of a 100 ms delay between each authentication
- C. Forced password change every 6 months
- **D. Use of multifactor authentication for all accounts**

**Answer: D**

Explanation:

Multifactor Authentication (MFA) is one of the most effective mitigations against brute-force attacks. Even if an attacker guesses or steals a user's password, they would still need a second authentication factor (e.g., push notification, hardware token, biometric verification) to complete login.

SCAZT Section 2: User and Device Security (Pages 40-43) emphasizes the importance of MFA in protecting identities from password spraying, credential stuffing, and brute-force attacks.

Reference: Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT), Section 2, Pages 40-43

### NEW QUESTION # 48

Advanced app control policies are implemented to:

- **A. Distinguish between and control individual application actions**
- B. Limit the bandwidth usage of applications
- C. Allow all applications equally without any restrictions
- D. Increase the speed of cloud applications

**Answer: A**

### NEW QUESTION # 49

Security audit reports are used to:

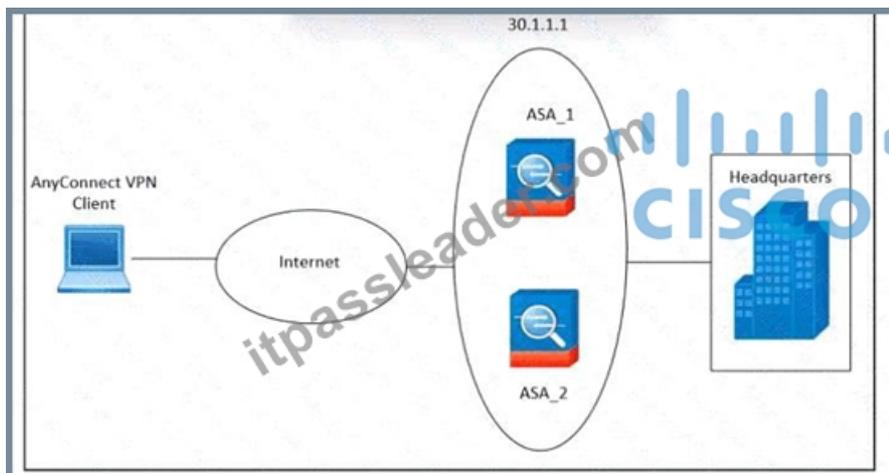
- **A. Determine the effectiveness of existing security policies and identify areas for improvement**
- B. Increase the complexity of security infrastructure
- C. Decrease organizational transparency
- D. Justify the removal of all security measures

**Answer: A**

### NEW QUESTION # 50

```
|
| <Output omitted>
|
| ASA_1(config)#vpn load-balancing
| ASA_1(config-load-balancing)#priority 10
| ASA_1(config-load-balancing)#cluster key SecretKey01!
| ASA_1(config-load-balancing)#cluster ip address 30.1.1.1
|
| <Output omitted>
|
```





Refer to the exhibit. An engineer must configure VPN load balancing across two Cisco ASA. The indicated configuration was applied to each firewall; however, the load-balancing encryption scheme fails to work. Which two commands must be run on each firewall to meet the requirements? (Choose two.)

- A. encryption aes 256
- B. crypto ikev1 policy 1
- C. cluster encryption
- D. hash sha-256
- E. cluster port 9024

**Answer: A,C**

Explanation:

To enable VPN load balancing with secure encryption between Cisco ASA firewalls, two additional commands are required: encryption aes 256: Defines the encryption scheme used in the load balancing cluster. Without specifying encryption, secure key exchanges between devices will not occur properly.

cluster encryption: Enables encrypted communication between the clustered ASA devices. Without this command, cluster member synchronization is not securely established.

The commands shown in the exhibit correctly configure the cluster key and virtual IP but lack the necessary encryption parameters. According to Cisco's VPN load balancing implementation guides and reinforced in the SCAZT documentation, these two settings are required to secure the VPN session load distribution.

Reference: Designing and Implementing Secure Cloud Access for Users and Endpoints (SCAZT), Section 3: Network and Cloud Security, Pages 72-75; Cisco ASA VPN Load Balancing Configuration Guide

#### NEW QUESTION # 51

Lateral movement prevention within an application environment aims to:

- A. Limit attackers' ability to move between compromised systems
- B. Reduce the need for authentication
- C. Allow unrestricted access between services
- D. Increase the complexity of the network topology

**Answer: A**

#### NEW QUESTION # 52

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